

## WHAT IS CLAIMED IS

1. An operating device adapted for being connected during use to an image processing apparatus that generates image data to be displayed on a display according to a program, to supply a signal for providing variation to the image data to be generated by an image processing apparatus, said operating device comprising:

an operating member supported to be tilt-operated by an operator so as to incline within a predetermined range and rested, when not operated by the operator, at a predetermined position;

a rotating member arranged for rotation depending upon an inclination amount of said operating member;

a rotation detecting means for detecting a rotational state of said rotating member;

a count means for varying a count value thereof depending on a rotational amount of said rotating member detected by said rotation detecting means;

a reset signal generating means for generating a reset signal to reset the count value of said count means; and

a transfer means for transferring the count value counted by said count means to said image processing apparatus.

2. An operating device according to claim 1, wherein said reset signal generating means generates the reset signal for resetting the count value of said count means in response to a reset signal from said image processing apparatus.

3. An operating device according to claim 2, wherein the reset signal from said image processing apparatus is generated according to the program by said image processing apparatus.

4. An operating device according to claim 1, further having a switch means for generating an electric signal by depressed by the operator, wherein said reset signal

generating means generates the reset signal in compliance with the signal from said switch means.

5 5. An operating device according to claim 4, wherein said switch means includes a plurality of switches, and said reset signal generating means resets the count value of said count means depending upon simultaneous depression of predetermined switches out of said plurality of switches.

10 6. An operating device according to claim 1, further having a connecting member for transmitting as rotational movement the inclination of said operating member to said rotating member, wherein said rotating member is connected to said connecting member to be rotated through an angle greater than an inclination angle of said operating member.

7. An operating device according to claim 6, wherein said connecting member and said rotating member are connected to each other by gears having a predetermined gear ratio.

15 8. An imaging processing system having an image processing apparatus for generating image data to be displayed on a display according to a program, and an operating device for being connected during use to said image processing apparatus so as to supply a signal for providing variation to the image data to be generated by said image processing apparatus,

wherein said image processing apparatus includes:

20 a program memory stored with a program for image processing;  
a first receiving means for receiving data generated by said operating device;

25 a central processing means for generating command data according to the program stored in said program memory, and generating image data depending upon the program and the data received by said first receiving means;

a first transmitting means for transmitting the command data generated by the central processing means to said operating device; and

an image signal generating means for generating an image signal for displaying an image on the display depending upon the image data from said central processing means; and

wherein said operating device includes:

an operating member supported to be tilt-operated to be inclined within a predetermined range by the operator and rested, when not operated by an operator, at a predetermined position;

a rotating member arranged for rotation depending upon an inclination amount of said operating member;

a rotation detecting means for detecting a rotational state of said rotating member;

a count means having a count value varied depending on the rotational amount of said rotating member detected by said rotation detecting means;

a reset signal generating means for generating a reset signal to reset the count value of the count means; and

a second receiving means for receiving the command data transmitted from said first transmitting means;

a transfer means for outputting data of the count value counted by said count means in response to reception of predetermined command data by said second receiving means; and

a second transmitting means for transmitting the data of count value outputted by said transfer means to said image processing apparatus.

9. An image processing system according to claim 8, wherein the command data

includes reset command data, and said reset signal generating means generating the reset signal in response to reception of the reset command data by said second reception means.

5 10. An image processing system according to claim 9, wherein said operating means further generates selection determining data for transmitting to said image processing apparatus that the operator has selected part of an image being displayed on the display, said image processing apparatus further having a reset request command data generating means for generating reset request command data for resetting said count means in a state that said operating member is inclined at a predetermined angle in a predetermined direction based on the selecting data received by said first receiving means, said reset signal generating means resetting said count means based on the reset request command data received by said second receiving means, whereby the count value from said count means obtained upon operating said operating member by the operator is varied to alter the degree of variation of the image data that is allowed to vary responsive to operation by the operator.

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